

144TH FIGHTER WING



"Californians Guarding California"

NORAD ALERT PROCEDURES

**GENERAL AVIATION
RESPONSE**

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- ***SCRAMBLE SCENARIO***
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PROCEDURES***





144TH FIGHTER WING **CURRENT AIRCRAFT**



LOCKHEED-MARTIN F-16C "FIGHTING FALCON"

MAX SPEED 1200 MPH (MACH 2 AT SEA LEVEL)
SIX AIR-AIR MISSILES / 20mm CANNON
COMBAT RADIUS >500 NM



SCRAMBLE SCENARIO



WESTERN AIR DEFENSE SECTOR (WADS)

WADS processes more than 80,000 radar returns
About 1 per day is “unknown” and requires a “formal
response”

What’s that mean? It means this.



FIGHTERS SCRAMBLE!



GENERAL AVIATION GUIDE TO FLIGHT RESTRICTIONS

or... How to Avoid an Armed Escape

➤ ***CHECKING FOR FLIGHT RESTRICTIONS
(FR's)***

➤ ***FLIGHT BEHAVIOR***

➤ ***INTERCEPTION PROCEDURES***



CHECKING FOR FLIGHT RESTRICTIONS

FLIGHT SERVICE (1-800-WXBRIF)

ASK FOR ALL NOTAMS AFFECTING ROUTE

CHECK NOTAMS VIA WEB PAGE

<https://www.notams.faa.gov>

www.aopa.org

NOTE VIPs IN AREA- PROBABLY A TFR

PRESIDENT, VICE

PROBLEM: SHORT NOTICE VISITS


GENERAL AVIATION GUIDE TO FLIGHT RESTRICTIONS

<https://www.notams.faa.gov>

DINS NOTAM System

<https://www.notams.faa.gov/> Google

DINS NOTAM System

 *~ For DoD Flight Only ~* **Defense Internet NOTAM Service** *~ For DoD Flight Only ~*

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NEW Graphical Temporary Flight Restrictions (TFRs) now available. [Click here](#) for more information.

Flight Safety and Local NOTAM Retrieval


Enter up to 50 ICAO Identifiers below, separated with a space:

Text Type: ☒ Report ☐ Raw

Advanced Options

☐ Include FDC Special Notices.

Always Check Attention Notices for the most up to date information on DoD flight planning.

 **THE US NOTAM OFFICE SPECIALISTS DO NOT PROVIDE NOTAM BRIEFINGS.**
For NOTAM briefings, contact your nearest flight service station or military installation, as appropriate.

United States NOTAM Office disclaims foreign NOTAM accuracy or completeness. Aircrews are highly encouraged to check host nation sources for supplementary NOTAM information.

GENERAL AVIATION GUIDE TO FLIGHT RESTRICTIONS

TFR Viewer

Enter String to Find in TFR: [un-mapable TFR](#) [mapable TFR](#)

Legend

- TFR
- INTERSTATE
- LAKES

For flight planning purposes only - Wed, 01 Oct 2003 04:31:55 GMT

Defense Internet NOTAM

TFR Viewer

Enter String to Find in TFR: [un-mapable TFR](#) [mapable TFR](#)

Legend

- TFR
 - 91.137A1
 - 91.141
 - 91.143
 - Other
- INTERSTATE
- Airport
 - Civil
 - Civil - Military
 - Military
 - Other
- LAKES
- STATES
- OTHER COUNTRY

For flight planning purposes only - Wed, 01 Oct 2003 04:33:42 GMT

Defense Internet NOTAM Service

DINS NOTAM System.htm

GENERAL AVIATION GUIDE TO FLIGHT RESTRICTIONS

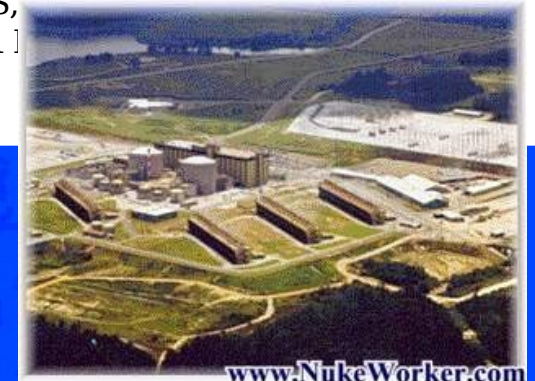
CHECK FLIGHT RESTRICTIONS:

FROM FAA NOTAMS SITE: <https://www.notams.faa.gov>

UNTIL FURTHER NOTICE, PURSUANT TO 14 CFR SECTION 99.7, SPECIAL SECURITY INSTRUCTIONS, PILOTS CONDUCTING FLIGHT OPERATIONS WITHIN THE TERRITORIAL AIRSPACE OF THE U.S. ARE ADVISED TO AVOID THE AIRSPACE ABOVE OR IN PROXIMITY TO ALL NUCLEAR POWER PLANTS. PILOTS SHOULD NOT CIRCLE OR LOITER IN THE VICINITY OF SUCH FACILITIES. PILOTS WHO DO SO CAN EXPECT TO BE INTERVIEWED BY LAW ENFORCEMENT PERSONNEL AT THEIR DESTINATION AIRPORT AND THE PILOT'S NAME MAY BE ADDED TO THE TRANSPORTATION SECURITY ADMINISTRATION (TSA) INCIDENT REPORTING SYSTEM. WIE UNTIL UFN

1/3352 - ... SPECIAL NOTICE ... FLIGHT RESTRICTIONS EFFECTIVE IMMEDIATELY UNTIL FURTHER NOTICE, PURSUANT TO 14 CFR 99.7, SPECIAL SECURITY INSTRUCTIONS, OPERATIONS WITHIN THE TERRITORIAL AIRSPACE OF THE U.S. THIS IS A RESTATEMENT OF A PREVIOUS ADVISORY. PILOTS ARE ADVISED TO AVOID THE AIRSPACE ABOVE, OR IN PROXIMITY TO, SITES SUCH AS NUCLEAR POWER PLANTS, POWER PLANTS, DAMS, REFINERIES, INDUSTRIAL COMPLEXES, MILITARY FACILITIES AND OTHER SIMILAR FACILITIES. PILOT SHOULD NOT CIRCLE AS TO LOITER IN THE VICINITY OF SUCH FACILITIES. WIE UNTIL UFN

**BOTTOM LINE: AVOID ANYTHING THAT
WOULD BE A TARGET TO A TERRORIST**



GENERAL AVIATION GUIDE TO FLIGHT RESTRICTIONS

www.aopa.org

AOPA Online - Aircraft Owners and Pilots Association home page

http://www.aopa.org/ Google

Weather Yahoo! Groups Our Homepage FlyLady Yahoo! USAA Text Messaging Amazon VerizonNetMail eBay

Messages Posted 10/24... AOPA Online - Aircraft ...

AOPA MORE THAN 400,000 MEMBERS STRONG! Friday, October 24, 2003

The Official Website of the Aircraft Owners and Pilots Association

Contents What's New Join/Renew Aviation Classifieds Links Contact Us

AOPA Expo 2003 in Philadelphia, Oct. 30-Nov. 1 See what else is [new](#) on AOPA Online.

All pilots: Where can you hear from Marion Blakey, Phil Boyer, and Rod Machado all in one day? [Register on-site for AOPA Expo 2003.](#)

Presidential TFRs: Anticipated - Oct. 31: Bonita Springs, Florida

AOPA Expo 2003 just a week away

Oct. 23 — In just seven days, the doors to [AOPA Expo 2003](#) will be thrown open to thousands of pilots and aviation enthusiasts. Strong pre-registration indicates this may be one of the best-attended Expos ever held on the East Coast.

Learn to Fly Opportunity for general aviation pilots to "earn their wings," said AOPA President Gordon F. England. "It's as important, it's a chance for pilots to get together for a little hangar flying."

Free Offer for Student Pilots Starting Thursday, October 30, through Friday, October 31, AOPA will provide a short, free shuttle bus ride away from Philadelphia's Pennsylvania Convention Center, to the Expo site.

Why I Fly

Starting your Flight Training

Getting Back Into Flying

AOPA Flight Training

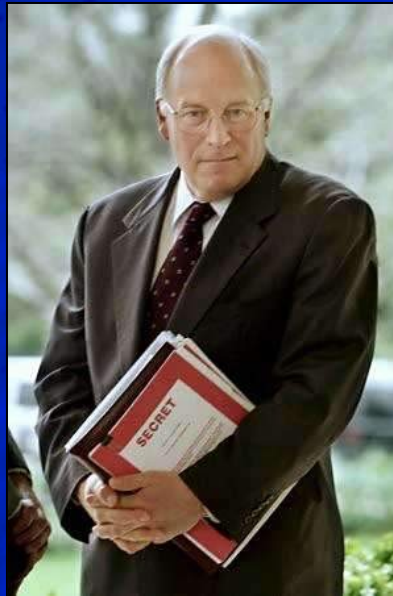
Public Section: About AOPA, Advocacy, AOPA Magazines, Member Products, Air Safety Foundation, President's Page, Learn to Fly, Calendar of Events, MEMBERS SECTION, My AOPA, Members Home, Weather, Flight Training.

Quick Links: Current & Upcoming Presidential TFRs, Notams, TFRs, Airport Watch, GA/Homeland Security, ASF Online Course, ASF Safety Seminars, Taxi Diagrams, Instrument Approach Plates, Join/Renew.

UNCLASSIFIED

GENERAL AVIATION GUIDE TO FLIGHT RESTRICTIONS

***NOTE VIPs IN AREA- PROBABLY A TFR
PRESIDENT, VICE***



PROBLEM: SHORT NOTICE VISITS

FLIGHT BEHAVIOR

HAVE PLAN AND STAY WITH IT

- VENTURING INTO UNKNOWN AIRSPACE
COULD LEAD TO UNWELCOME VISITORS**

ATC

- IF IN DOUBT ASK FOR HELP**
- MONITOR FREQ'S SO THEY CAN REACH YOU**
- MONITOR GUARD (VHF 121.5)**
- FOLLOW VECTORS DIRECTIONS**
- BE READY TO SQUAWK 7700 TO IDENTIFY
YOURSELF TO ATC AS A COOPERATOR**

INTERCEPTION PROCEDURES

WE SHARE SAME GUIDANCE FOR INTERCEPTS

- **Airman's Information Manual (AIM), BASED ON ICAO ANNEX 2 (CH 5, SECT 6)**

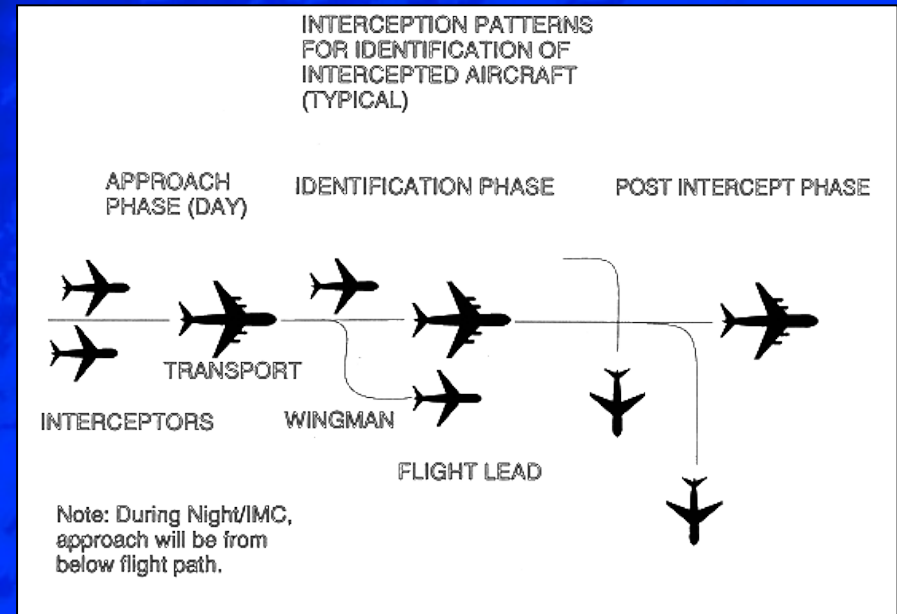
OUR MISSION:
TO IDENTIFY YOU
AND DETERMINE
YOUR COOPERATION
LEVEL

INTERCEPTION PROCEDURES

3 PHASES TO INTERCEPT

PHASE 1, APPROACH

Aircraft will be approached from the stern. Generally two interceptor aircraft will be employed to accomplish the identification. The flight leader and wingman will coordinate their individual positions in conjunction with the ground controlling agency. Their relationship will resemble a line abreast formation. At night or in IMC, a comfortable radar trail tactic will be used. Safe vertical separation between interceptor aircraft and



3 PHASES TO INTERCEPT

PHASE 2, IDENTIFICATION

ACTION BY INTERCEPTED AIRCRAFT (from ICAO Annex 2)

- **FOLLOW INSTRUCTIONS FROM INTERCEPTOR**
 - **RADIO AND VISUAL**
- **INFORM ATC THAT YOU'VE BEEN INTERCEPTED**
- **SQUAWK EMERGENCY 7700 IF ABLE**

GENERALLY SPEAKING

- **CONTINUE SAFE OPERATION OF YOUR AIRCRAFT**
 - **SCARY FOR ALL INVOLVED**
 - **WE'LL FLY FORMATION OFF OF YOU**
 - **WE'LL ATTEMPT RADIO CONTACT ON 121.5**



3 PHASES TO INTERCEPT

PHASE 2, IDENTIFICATION

THINGS YOU MIGHT EXPECT US TO DO

- **NORMALLY FLY BY YOU ON THE LEFT BECAUSE WE'RE FASTER**
- **DROP FLARES TO GET YOUR ATTENTION**
- **BE TERSE, ESPECIALLY IF PRESIDENTIAL TFR**
- **REPORT YOUR "N" NUMBER TO ATC**



INTERCEPTION PROCEDURES



3 PHASES TO INTERCEPT

PHASE 2, IDENTIFICATION

(as set forth in ICAO Annex 2-Appendix A, 2.1)

S e r i e	INTERCEPTING Aircraft Signals	Meaning	INTERCEPTED Aircraft Responds	Meaning
§	<p>DAY-Rocking wings from a position slightly above and ahead of, and normally to the left of, the intercepted aircraft and, after acknowledgement, a slow level turn, normally to the left, on to the desired heading.</p> <p>NIGHT-Same and, in addition, flashing navigational lights at irregular intervals.</p> <p><i>NOTE 1-Meteorological conditions or terrain may require the intercepting aircraft to take up a position slightly above and ahead of, and to the right of, the intercepted aircraft and to make the subsequent turn to the right.</i></p> <p><i>NOTE 2-If the intercepted aircraft is not able to keep pace with the intercepting aircraft, the latter is expected to fly a series of race-track patterns and to rock its wings each time it passes the intercepted aircraft.</i></p>	<p>You have been intercepted. Follow me.</p>	<p>AEROPLANES: DAY-Rocking wings and following.</p> <p>NIGHT-Same and, in addition, flashing navigational lights at irregular intervals.</p>	<p>Understood, will comply</p>

INTERCEPTION PROCEDURES



3 PHASES TO INTERCEPT

PHASE 2, IDENTIFICATION

SERIES

2 T-An abrupt break-away maneuver from the intercepted aircraft consisting of a climbing turn of 90 degrees or more without crossing the line of flight of the intercepted aircraft.

You may proceed.

AEROPLANE
S:
DAY or
NIGHT-
Rocking
wings.

Understood
, will
comply

INTERCEPTION PROCEDURES



3 PHASES TO INTERCEPT

PHASE 2, IDENTIFICATION

SERIES

3

odrome, lowering landing gear and overflying runway in direction of landing or, if the intercepted aircraft is a helicopter, overflying the helicopter landing area.

NIGHT-Same and, in addition, showing steady landing lights.

Land at this aerodrome.

AEROPLANES:

DAY-Lowering landing gear, following the intercepting aircraft and, if after overflying the runway landing is considered safe, proceeding to land.

NIGHT-Same and, in addition, showing steady landing lights (if carried).

HELICOPTERS:

DAY or NIGHT-Following the intercepting aircraft and proceeding to land, showing a steady landing light (if carried).

Understood, will comply

*Continues in AIM 5-6-4.
Interception Signals*

INTERCEPTION PROCEDURES

3 PHASES TO INTERCEPT

PHASE 3, POST INTERCEPT

CONTINUE SAFE FLIGHT AND INSTRUCTIONS

- WE'LL SEPARATE FROM YOU, SERIES 2**
- CLEAN SHORTS**



CONSEQUENCES

FAA / ATC / FSDO

- **FORCED TO LAND**
- **LOSE LICENCE**

LAW ENFORCEMENT

- **ARRESTED / INCARCERATION**

AIR FORCE

- **USE OF FORCE AS LAST OPTION**



CONCLUSION

- ***CHECK FOR TFRs***
- ***BE FAMILIAR WITH FRs***
- ***KNOW WHEN PRESIDENT IS IN TOWN***
- ***BE CALM AND KEEP FLYING***
- ***WE'RE ALL ON THE SAME TEAM, HOPEFULLY***

QUESTIONS?

